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CUSTOMER NO. 24956

13281 U.S.PTO
032604

17510 U.S.PTO
10/809355

032604

To: Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450
Sir: Transmitted herewith for filing is the patent application of:

Inventor: S. ICHIMURA et al (see attached)

For:
APPARATUS AND METHOD FOR
DETECTING VAPORIZED GAS

Enclosed are:



7 Sheets of Drawings



This application is being filed without an executed Declaration.



Priority is claimed from Japanese Application No. 2003-093088 (which is hereby filed March 31, 2003). A certified copy is attached herewith. incorporated by reference)



Copies of the disclosure documents listed on the attached PTO 1449 form and discussed in the specification or attached Information Disclosure Statement.



Small entity status under 37 CFR 1.9 and 1.27 is hereby claimed.



Specification: Abstract , Description 28 pages; and 37 claim(s).



Preliminary Amendment.



Executed Declaration.

The filing fee is calculated as shown below:

Small Entity

Large Entity

For:	No. Filed	No. Extra
Basic Fee		
Total Claims	37 -20 =	* 17
Indep Claims	2 - 3 =	* 0
<input type="checkbox"/> Multiple Dependent Claim(s)		

* If difference is less than zero
then enter '0' in second column

Rate	Fee
	\$ 375
x 9	\$
x 42	\$
+ 140	\$
Total	\$

OR

Rate	Fee
	\$ 770
x 18	\$ 306
x 84	\$ 0
+ 280	\$ 0
Total	\$ 1,076.



A check or credit card payment form in the amount of \$ 1,076.00 is enclosed for the filing fee.



The Commissioner is hereby authorized to charge any additional fees that may be required to Deposit Account No. 50-1417.

Respectfully Submitted,

By:

John R. Mattingly

Registration No. 30293